

any kind of ore or tailings suitable for the cyanide process, but is not beyond doubt that the increase in costs necessarily resulting from such treatment will prevent the use of this method for poor ore or tailings. The results of the experiments on a large scale with low-grade tailings now going on in South Africa will prove very valuable in that respect. In cases where the gold is partly in coarse particles in the ore, amalgamation cannot be dispensed with. If the ore is a clean quartz ore, amalgamation can precede or follow the cyanide treatment. With clayey ore, where dry ore only can be treated by percolation, or where the agitation method is used, amalgamation has to follow such treatment.

Although it is true that the cyanide process answers best with so-called free-milling ore, its profitable application is not limited to that. The treatment of ores in which the precious metals are connected with sulphures, and where, besides the gold, the silver is of importance, will in many cases prove of greater advantage by this process than by any other. Although the consumption of cyanide, and therefore the cost, will be higher, and the percentage extracted not as high as with free-milling ore, yet the process will be in its proper place where ore of low or moderate grade has to be treated.

In order to show what cyanide can do with sulphurates, let me quote the instance of the Sylvia Mine, Tarara, New Zealand, with which I was connected for over two years. The ore to be treated by the cyanide process consisted of almost pure sulphurates, from concentrating works. Copper pyrites, zinc blende, galena and iron pyrites were the main constituents, besides quartz which did not amount to more than about 10 per cent. with fine slime concentrates. The values were from \$25 to \$200 and more per ton, consisting of gold and silver, the proportions by weight varying from 4 to 10 of silver to 1 of gold. With the finest and most valuable material the extraction was in the best case 96.45 per cent. gold and 94.59 per cent. silver, and the average about 85 per cent. of the total value. The coarser and less valuable material proved less favorable, and only 75 per cent. of the total value was extracted. The extraction was effected by agitating the ore for about 12 hours with a solution of cyanide containing mostly 0.5 per cent. pure cyanide, the percentage varying with the quality of the ore treated. I scarcely think that anywhere in this country similar kinds of ore could be treated by the cyanide process with advantage. But in a country without smelters and so far away from any that lower grade ore could not bear the cost of freight and shipment, it was a decided success.

In summarizing, let me state again that I consider the cyanide process will prove successful, and has proved so in the past, when applied properly in dealing with: 1. So-called free-milling ore; in connection with amalgamation when the gold is partly coarse. 2. Refractory ore of low and moderate grade; especially when a larger percentage of the value is made up of silver. 3. In exceptional cases with high-grade refractory ore.

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AN OLD SETTLER'S STORY.

A PERTH COUNTY PIONEER'S EXPERIENCE.

*A Sufferer for Nearly Twenty Years—Had Not Done a Month's Work in Ten Years—He Regains Health and Strength—His Neighbors Discuss the Remarkable Cure.*

From the Listowel Banner

Trowbridge is a pretty little village in the county of Perth. It is five miles from a railway, and gains in rural quietness a compensation for the loss of the bustle of larger towns. One of the best known residents of the village is Mr. Isaac Deleyea, who who has lived there for upward of forty years, in fact ever since the "blazed" road through the woods led to the site of what was then laid out as the district metropolis. As far back as the writer's memory goes, Mr. Deleyea has been sick nearly all the time, and unable to work, and when it was reported last spring that he was cured and claimed to be cured by Dr. Williams' Pink Pills, the Banner kept an eye to the case, letting it run on until a few days ago to see whether the improvement would last, and then set out to investigate for ourselves. We found Mr. Deleyea looking both well and active to say the least. In reply to our enquiries as to his health he said he felt young again, and felt that he was fully cured, and was quite willing to tell his story as he had no room to doubt the efficacy of the remedy in his case. "I have been sick," said he, "for twenty years and I have not done a month's work in ten years. I became all bloated out and my legs swollen very much. From this trouble I could get no relief. The medicines I got from the doctor helped me but did not cure me. Nothing would take the swelling away and I was beginning to feel that my condition was desperate. I could hardly be about and could do no work, not even of the lightest description. A year ago I read of the wonders done by Dr. Williams' Pink Pills and bought a couple of boxes. The first box and a half gave me the sensation of having my flesh prodded all over with pins, but I began to feel better and determined to keep on taking the pills. I have taken twenty-eight boxes in all, and although it seems a large number, I would willingly take twice that quantity rather than be in my old condition of almost helplessness and suffering. All the swelling has entirely disappeared and I feel myself a well man again, and better than I have been for a great many years." In reply to a question Mr. Deleyea said he was sixty-six years of age and had been ill for fully twenty years, and he added earnestly "nothing else in the world but Pink Pills cured me, and I believe they will cure anyone who gives them a fair chance. Ask any of my old neighbors how sick I was, and how I have been cured. Why, I not only feel like a new man but look like one. I can do all my work that I formerly had to have hired done, and I do not feel the least fatigue. With me it is no guess work, but a case of demonstration, and everybody who knows me knows that I have been cured and by the use of Dr. Williams' Pink Pills, and I cannot speak too highly of them."

Dr. Williams' Pink Pills con-

tain in a condensed form all the elements necessary to give new life and richness to the blood, and restore shattered nerves. They are an unfailing specific for such diseases as locomotor ataxia, partial paralysis, St. Vitus' dance, sciatica, neuralgia, rheumatism, nervous headache, the after effects of la grippe, palpitation of the heart, nervous prostration and all diseases depending upon vitiated humors in the blood, such as scrofula, chronic erysipelas, etc. They are also a specific for troubles peculiar to females, such as suppressions, irregularities, and all forms of weakness. They build up the blood, and restore the glow of health to pale and sallow cheeks. In men they effect a radical cure in all cases arising from mental worry, overwork, or excesses of what-over nature.

These pills are manufactured by the Dr. Williams' Medicine Company, Brockville, Ont., and Schenectady, N. Y., and are sold in boxes, (never in loose form by the dozen or hundred, and the public are cautioned against numerous imitations sold in this shape), at 50 cents a box, or six boxes for \$2.50, and may be had of all druggists or direct by mail from Dr. Williams' Medicine Company from either address. The price at which these pills are sold makes a course of treatment comparatively inexpensive as compared with other remedies or medical treatment.

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